



Pole Star Software Statement of Fact

Client Name **Pole Star Global**

Client Address **1 Nicholas Road, London W11 4AN, UK**

Name of software **Pole Star**
Software function **Fuel consumption reporting and MRV**

Version **0.18.4**
Revision date **1st June 2018**

This is issued to state that:

1. Lloyd's Register EMEA (LR) has reviewed the Pole Star software created by Pole Star against the Regulation (EU) 2015/757 monitoring, reporting and verification of CO₂ emission from maritime transport (MRV), for the aspects related to the monitoring and reporting. The Pole Star software is capable of monitoring the required parameters for MRV through manual reporting by the ship crew, although some measures are taken to prevent erroneous data there are possibilities for (accidental) misreporting leading through a failure to comply with MRV.
2. The software can be configured for all emission sources (Main engines, auxiliary engines, boilers, inert gas generators, gas turbines). However, LR performed verification check for Main engine only.
3. The following fuel types are available in the software (HFO, LFO, MGO/MDO, Methanol, Ethanol, LNG, LPG Butane, LPG Propane). However, verification was performed for HFO, LFO and Diesel fuel. It is understood all ship types are supported by the software except LNG, Ro-pax, and RoRo /Container.
4. The reporting part was simulated by an Amazon Work Space based on actual data available at LR. Reporting quality was assessed for a limited number of sample datasets. The reported data was verified against the tool developed by LR and found to be correct for basic voyages and port calls.
5. Taking into account points 1, 2, 3, 4 and 5 above, Lloyd's Register EMEA concludes that the Pole Star Software is in accordance with the intent and principles set out in the requirements of the Regulation.
6. The above statement is valid for the above referenced version of the Pole Star software.
- 7.

This statement is valid until next revision of the Pole Star software.

Issued at **Lloyd's Register Global Technology Centre
Southampton
UK** on **1st June 2018**

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